

Annual Water Quality Report for 2015
Village of Schoharie Water System
300 Main Street Post Office Box 219
Schoharie, NY 12157
Public Water Supply ID# 4700098

INTRODUCTION

To comply with State regulations, Village of Schoharie Water System, will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. In past years we conducted tests for over 100 contaminants. We detected 14 of those contaminants and each are described in the report. This report provides an overview of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards.

If you have any questions about this report or concerning your drinking water, please contact Bill Shroh, Water Plant and System Operator at (518) 295-7252, 295- 6140 or the Village Office at (518) 295-8500. For water problems, leaks cloudy water or complaints contact the Village so the problem can be attended to as soon as possible by Village staff. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled village board meetings, they are held on the second Tuesday of each month at the Village Office starting at 7:30 PM.

WHERE DOES OUR WATER COME FROM?

Our water system serves about 900 people through 440 service connections. Our water source is two springs, both of which are located on Barton Hill on the north side of Route 443. Both of these locations are quite a distance from any main road. One is called Young's Spring and the other is Dugan Hill Spring. Both of these springs are considered surface water supplies. Fox Creek, is our emergency source. The source water is filtered at this time by our water filtration plant and chlorinated for disinfection purposes. Corrosion control treatment was started in 2003 to reduce elevated copper levels in the water from the service lines to residences. We upgraded the treatment system, which included a water filtration plant to meet all State and Federal mandates at the time. A new holding pond was finished in the year 2000 to hold 40 million gallons of water and will afford us at least 6 months water supply during dry periods. Meters have been installed at each consumer's service connection. The rate for a household is \$ 84.66 per quarter for a minimum of 5000 gallons. An additional \$ 5.4318 per 1000 gallons is charged after 5000 gallons. Total Production in 2015 was approximately 41,959,000 gallons, an average of 114,956 gallons per day. Total Production in 2014 was approximately 39,478,600 gallons, an average of 108,160 gallons per day. Total Production in 2013 was 36,063,000 gallons, an average of 98,802 gallons per day. Total Production in 2012 was 52,275,564 gallons, an average of 142,829 gallons per day. Total Production in 2011 was 49,527,673 gallons, an average of 135,692 gallons per day. Total Production in 2010 was 45,484,000 gallons, an average of 124,613 gallons per day. Total production in 2009 was 48,720,000 gallons, an average of 133,479 gallon per day. Total production in 2008 was approximately 47,045,000 gallons, which is approximately 128,538 gallons per day. Average production in 2007 was approximately 156,000 gallons per day and total water production was approximately 57 million gallons. Average production in 2006 was approximately 146,000 gallons per day and total water production in year 2006 was approximately 53 million gallons. The system is regulated by the Schoharie County Department of Health at 295-8382. Town of Schoharie Zoning regulations were revised in 2015 and law protects the watershed areas in the town. There are specific regulations concerning land use activities in the watershed and the Town enforces these. If you have a question about this please call the town zoning officer at 295-7672.

In general, the sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally – occurring minerals and can pick up substances resulting from the presence of animals or from human activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; volatile organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER? AS the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform (at least one per month), turbidity (daily), inorganic compounds (every nine years), nitrate (yearly), nitrite, lead and copper (every year in summer) volatile organic compounds (yearly), total trihalomethanes, haloacetic acids (every three months) synthetic organic compounds (herbicides and pesticides every three years) and radiological contaminants (3 to 9 years). The table presented on page 3 depicts which compounds were detected in your drinking water. The State allows us to test for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old. We must collect at least one sample for total coliform bacteria each month. Continuous monitoring equipment at the filtration plant measures chlorine residual, and filtered water turbidity. These measurements are also checked daily by the Superintendent to ensure the equipment is functioning properly.

It should be noted that all drinking water, including bottled drinking water, might be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791) or the Schoharie County Health Department at (518) 295-8382. The NYS DOH website is www.health.state.ny.us - go to "Health & Safety in the Workplace & Outdoors", then "Drinking Water".

Source Water Assessment Summary

The NYS DOH has completed a source water assessment for this system, based on available information. Possible and actual threats to this drinking water source were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can move through the subsurface to the springs. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become contaminated. See section "Are there contaminants in our drinking water?" for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

While nitrates (and other inorganic contaminants) were detected in our water, it should be noted that all drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants from natural sources. The presence of contaminants does not necessarily indicate that the water poses a health risk. Normal background levels for nitrates in Schoharie County range between not detected to approximately 0.3 milligrams per liter. Organic contaminants were detected well below legal limits in our water in the last sample analyzed for them in 2003 (total trihalomethanes and haloacetic acids). Natural organic matter in the surface water affected this test. The sources have a medium susceptibility rating to the natural organic matter, which is referred to as disinfection by-product precursors. The water will be tested every quarter for total trihalomethanes and haloacetic acids beginning in 2004. Potassium permanganate is an oxidant that is added to the water to help remove the natural organic matter before it becomes a problem in the system. As mentioned before, our water is derived from the Youngs' Spring.

The source water assessment has assigned a high natural sensitivity to halogenated solvents, petroleum products and other industrial organics. The source water assessment has assigned a medium natural sensitivity to pesticides, herbicides, nitrates, sediments, turbidity, disinfection by-product precursors (natural organic matter), protozoa, enteric bacteria and enteric viruses. The source water assessment has not given a susceptibility rating to halogenated solvents, petroleum products, other industrial organics, metals, nitrates, sediments, turbidity, cations/anions (salts, sulfate), phosphorus, enteric bacteria and enteric viruses because of negligible, or low contaminant prevalence in the watershed.

The source water assessment has given a medium susceptibility rating to pesticides and herbicides because of the presence of row crops in the watershed. The source water assessment has given a medium susceptibility rating to protozoa because of the presence of pasture in the watershed. The source water assessment has identified agricultural land cover as a potential source of contamination with a medium potential impact to the water source. The contaminants of concern are protozoa and pesticides/herbicides. While the source water assessment rates our spring as being susceptible to protozoa, please note that our water is filtered and disinfected to ensure that the finished water delivered into your home and business meets New York State's drinking water standards for microbial contamination.

The springs are protected from contamination by sewage treatment regulations of the Schoharie County Sanitary Code, and land use review by the Town Planning Board. A copy of the assessment, including a map of the assessment area, can be obtained by contacting us, as noted above.

Definitions for terms found in the table of detected contaminants on page 3:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Action Level (AL): The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Non-Detects (ND): Laboratory analysis indicates that the constituent is not present.

Nephelometric Turbidity Unit (NTU): A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Milligrams per liter (mg/l): Corresponds to one part of liquid in one million parts of liquid (parts per million – ppm).

Micrograms per liter (ug/l): Corresponds to one part of liquid in one billion parts of liquid (parts per billion – ppb).

N/A: Not Applicable.

Picocuries per liter (pCi/L): A measure of the radioactivity in water.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water, based upon a running annual average of the samples. There is convincing evidence that addition of a disinfectant is necessary for control of

microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Table of Detected Contaminants							
Contaminant	Violation Yes/No	Date of Sample	Level Detected	Unit Measurement	MCLG or MRDLG	Regulatory Limit (MCL, TT, AL, or MRDL)	Likely Source of Contamination
Chloride	No	09/26/2001	6	mg/l	none	250	Naturally occurring.
Sodium	No	02/20/2014	8.8	mg/l	none	See health effects below	Naturally occurring, road salt runoff, animal waste water softeners and addition of sodium hypochlorite disinfectant.
Turbidity	No	Daily	0.3 see information below	NTU	0.3 or less	0.3 NTU in at least 95% of monthly samples	Soil Runoff.
Sulfate	No	09/26/2001	21	mg/l	250	none	Naturally occurring.
Copper 20 first draw tap samples between June 1 and September 30 same for lead	No	2015	1.1 (highest level detected) see information below	mg/l	1.3	AL=1.3	Corrosion of household plumbing systems.
Lead	No	2015	2 highest level	ug/l	0	Al=15	Corrosion of household plumbing systems; Erosion of natural deposits.
Nitrate	No	10/14/15 06/11/2014 2013 2012	1.85 1.9 Not detected 3.2	mg/l	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Free Chlorine residual	No	Daily	4 highest	mg/l	4	4	By-product of drinking water chlorination.
Halo Acetic Acids Or HAA5	No	02/17 05/27 08/12 11/18	16.4 5.48 12.61 31.1	ug/l	60	60	By-product of drinking water chlorination. Haloacetic acids are formed when the source water contains large amounts of organic matter.

TTHM which is known as Total Trihalomethanes and is a combination of chloroform, bromodichloromethane, dibromochloromethane, and bromoform.	No	02/17 05/27 08/12 11/18	21.41 12.71 22.75 32.22	ug/l	80	80	By-product of drinking water chlorination. Chlorination is needed to kill harmful organisms. THMs are formed when the source water contains large amounts of organic matter.
Fluoride	No	2015	0.088	mg/l	2.2	2.2	Naturally occurring in Schoharie and promotes strong teeth when added
Barium	No	2015	0.13	mg/l	2	2	Naturally occurring erosion of natural deposits

As you can see by the table, our system had no violations. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below the level allowed by the State. Below is an explanation of some of the contaminants and health effects when the MCL is exceeded. The MCLs are set at very stringent levels. In general a person would have to drink two liters of water every day at the MCL level for a lifetime to have one-in-a-million chance of having the described health effect. All bacteria tests on the system were satisfactory as required in 2016.

LEAD and COPPER:

NO LEAD OR COPPER HAS BEEN DETECTED IN THE SOURCE WATER. In 1994 a corrosion control study was completed and treatment to reduce copper levels in the water system was designated. The lead and copper sampling done in 2003 confirmed that the treatment designated in the corrosion study was necessary. The Village started adding poly orthophosphate to the water in 2003 to prevent copper from leaching from the pipes into the water. Twenty Lead and Copper samples will be collected every 6 months as part of routine monitoring because of continuing copper problems. If you wish to have your water tested for lead and copper at that time contact the Village. Compliance is based on an action level where at least 90 % of sites tested are at or below that action level. No tests exceeded the action level of 15.

Lead: Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you must flush your tap for a minimum of 2 minutes before using tap water. The level presented in the table represents the highest of the 20 sites tested, which was 2 ug/l. No samples exceeded the action level of 15 ug/l. The 2015 results from highest to lowest are as follows: 2, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND. The 2014 lead results for first half 2014 May (highest to lowest) are as follows: 5.6, 1.4, 1.2, 1.1, not detected (ND), ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND. The results for the second half 2014 from highest to lowest: 5.6, 1.4, 1.2, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND, ND. The 2013 lead results from highest to lowest are as follows: 2.5; 1.8; 1.7; 1.6; 1.5; 1.4; 1.1; 1.1; 1.1; ND; ND; ND; ND; ND; ND; ND; ND; ND; ND. There was no lead detected in 12 of 20 sites tested in 2010. There was no lead detected in 17 of 20 sites tested in 2007. There was no lead in 12 of 20 sites tested in 2006.

Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight defects in attention span and learning abilities. Adults who drink water containing lead in excess of the action level could develop high blood pressure or kidney problems.

If you wish to have your water tested, the Village may use your home if the sample site is approved by the Health Department. Additional information is available from the Safe Drinking Water Hot Line (1-800-426-4791).

Copper: Copper is an essential nutrient to your health. Some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilsons Disease should consult their personal doctor. The 90 % action level for copper in a first draw tap sample is 1.3 mg/l. The action level for copper was exceeded in 2013 at 1.9 mg/L. Six sites exceeded the 90 % action level which was a violation. The water system was in compliance with the action level in 2014. If you have a concern about the level of copper in the water flush your tap as stated in the lead information above to remove it from the drinking water. Approximately 25 feet of one-half inch copper pipe will have over one quart of water. Most service lines from the water main to the house are three-quarter inch pipe. Fifty feet of service line will have approximately 5 quarts of water. One or two flushes of the toilet will bring fresh water from the iron water main, flush your lines, and waste as little water as possible. Filling the laundry machine first thing in the morning or after work will also accomplish this and no water will be wasted. As a result of the 2013 failure, 20 samples were done January to June and 20 samples were done July to December. The 20 results from highest to lowest in first half 2014 are as follows: 0.93, 0.91, 0.89, 0.85, 0.85, 0.84, 0.83, 0.77, 0.75, 0.69, 0.65, 0.62, 0.61, 0.46, 0.35, 0.25, 0.21, 0.17, 0.14, 0.1. The 20 results from highest to lowest in second half 2014 (July – December) are as follows: 1.1, 0.75, 0.69, 0.64, 0.64, 0.62, 0.5, 0.5, 0.48, 0.44, 0.41, 0.41, 0.35, 0.35, 0.34, 0.21, 0.17, 0.12, 0.11, 0.021. (greater than 90 % exceeded action level). The results from highest to lowest of the 20 samples done in year 2013 : 3.0; 2.1; 1.9; 1.7; 1.5; 1.4; 1.1; 0.9; 0.85; 0.73; 0.65; 0.62; 0.59; 0.44; 0.32; 0.22; 0.21; 0.13; 0.11; 0.092 (greater than 90 % exceeded action level). Monitoring will continue in 2016 during the summer. This satisfies the public notification requirement for exceeding the copper action level in 2013 which was already done previously. The 2015 results from highest to lowest are as follows: 1.1, 0.91, 0.88, 0.84, 0.81, 0.81, 0.76, 0.75, 0.69, 0.67, 0.67, 0.63, 0.55, 0.55, 0.43, 0.39, 0.38, 0.32, 0.32, 0.18. The next round of lead and copper testing is from June 1, to September 30, 2016.

Chloride

Chloride is a naturally occurring substance and is abundant in nature. It has no health effects. The MCL for chloride is 250 mg/l and the last test done on the Village water was 6 mg/l. Water containing chloride above the MCL can cause objectionable tastes. The chloride is at a level where no taste problems can be observed.

Sodium

Water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/l should not be used for drinking by people on moderately restricted sodium diets.

Turbidity

Regulations require that the filters never have turbidity above 1.0 NTU in two measurements taken 15 minutes apart. This regulation was met. Regulations also require that turbidity must always be below 5 NTU in the distribution system (this may be exceeded during flushing or firefighting; residents are notified of routine flushing and lines are flushed as soon as possible to clear them if firefighting causes a problem). The distribution system turbidity measurements reported were all below 5 NTU.

Sulfate

Sulfate is naturally occurring. Our sulfate level was measured at 21 mg/l. The MCL is 250 mg/l. Water with high concentrations of sulfate can have three effects: (1) water containing appreciable amounts of sulfate tends to form hard scales in boilers and heat exchangers; (2) sulfates can cause taste effects; and (3) sulfates can cause laxative effects with excessive intake. The laxative effect of sulfates is usually noted in transient users of a water supply because people who are accustomed to high sulfate levels have no adverse response. Diarrhea can be induced at sulfate levels greater than 500 mg/l but typically near 750 mg/l. Our sulfate level is quite low and probably will cause no taste or laxative effects.

Nitrate

Although nitrate was detected well below the MCL of 10 mg/l, it was detected at 1.9 mg/l in 2014 and 1.85 in 2015, which is about one-third of the MCL, we are presenting the following information on nitrate in drinking water:

“Nitrate in drinking water at levels above 10 mg/l is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. If you are caring for an infant, you may ask for advice from your health care provider.”

Chlorine Residual

Sodium hypochlorite is added to the water to kill harmful organisms and is a mandatory treatment requirement for a water system with a surface water source. It must always be maintained in the drinking water. Chlorine residuals are less in the distribution system than the plant. The chlorine residual at the plant is normally maintained around 1.5 to 2 mg/l which is acceptable and required to get chlorine residual to all parts of the system. The range of free chlorine residual was 0.1 to 4. .

Total Trihalomethanes and Haloacetic Acids

Haloacetic Acids

Haloacetic acids were detected at 31.1 below the MCL of 60 ug/l. Stage 2 Compliance is based on a running annual average of quarterly samples at 256 Main Street and the 2015 average was 16.4 ug/l. Even though the haloacetic acids are far below the MCL we are presenting the following information on haloacetic acids in drinking water:

“Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.”

THM

Total Trihalomethanes were detected at 32.22 ug/l, which is below the current MCL of 80 ug/l. Stage 2 Compliance is based on a running annual average of quarterly samples collected at Fort Road. The 2015 average was 22.3 ug/l. Even though the total trihalomethanes are far below the MCL we are presenting the following information on total trihalomethanes in drinking water:

“Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.”

Escherichia coli (E.coli)

The system collected raw water samples for *E.coli* from October 2008 to September 2009 to comply with the Long Term Stage 2 Enhanced Surface Water Treatment Rule. A trigger level of 10 colonies per 100 mL of raw water sample was established as an indicator level where systems would have to sample for *Cryptosporidium* or install treatment for it. Schoharie collected 26 samples as required and the average was 34.99 colonies. The range was zero to 478.6 colonies. However, the EPA raised the trigger level to 100 colonies in February 2010 and the system will not have to install treatment at this time. The next round of *E.coli* monitoring is 2017.

INFORMATION ON GIARDIA

Giardia is a microbial pathogen present in varying concentrations in many surface waters and groundwater under the influence of surface water. Giardia is removed/inactivated through a combination of filtration and disinfection or by disinfection. On September 25, 1995 The NYS Department of Health collected a water sample and analyzed for Giardia cysts. The sample was from the Fox Creek, which is our emergency source. The result indicated that 2 presumed cysts were found in 9 gallons of untreated water. They were presumed to be Giardia at the time because the analytical method used could not distinguish whether they were alive or dead or identified by their internal structures. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of Giardia may cause giardiasis, an intestinal illness. People exposed to Giardia may experience mild or severe diarrhea, or in some instances no symptoms at all. Fever is rarely present. Occasionally, some individuals will have chronic diarrhea over several weeks or a month, with significant weight loss. Giardiasis can be treated with anti-parasitic medication. Individuals with weakened immune systems should consult with their health care providers about what steps would best reduce their risks of becoming infected with Giardiasis. Individuals who think that they may have been exposed to Giardiasis should contact their health care providers immediately. The Giardia parasite is passed in the feces of an infected person or animal and may contaminate water or food. Person to person transmission may also occur in day care centers or other settings where handwashing practices may be poor. The filtration plant is designed to remove Giardia from the water.

INFORMATION ON CRYPTOSPORIDIUM

Cryptosporidium is a microbial pathogen found in surface water and groundwater under the influence of surface water. Although filtration removes *Cryptosporidium*, the most commonly-used filtration methods cannot guarantee 100 percent removal. On September 25, 1995 The NYS Department of Health collected a water sample and analyzed for *Cryptosporidium* oocysts. The sample was collected from our emergency source, the Fox Creek. The result indicated that 1 presumed cyst was found in 9 gallons of untreated water. They were presumed to be *Cryptosporidium* at the time because the analytical method used could not distinguish whether they were alive or dead or identified by their internal structures. Therefore, the testing indicated the presence of *Cryptosporidium* in the Fox Creek. The Fox Creek intake has not been used since 2001. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of *Cryptosporidium* may cause cryptosporidiosis, a gastrointestinal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome disease within a few weeks. However, immuno-compromised people are at greater risk of developing life-threatening illness. We encourage immuno-compromised individuals to consult

their health care provider regarding appropriate precautions to take to avoid infection. *Cryptosporidium* must be ingested to cause disease, and it may be spread through means other than drinking water.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Although our drinking water met most state and federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium*, *Giardia* and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791). You may also contact Peter Cappellano, Public Health Sanitarian assigned to the water system, at the Schoharie County Department of Health at 295-8382 for any questions about the Annual Water Quality Report and the system.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

The Village of Schoharie has a **waiver** from the monitoring requirements for the inorganics of antimony, arsenic, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, selenium and thallium. The waiver is being issued because these contaminants have not been detected, or detected at naturally occurring trace levels that are reliably and consistently below the maximum contaminant levels for at least three rounds. The next sample is due by the expiration date of the waiver, December 31, 2024. Sampling may be required if circumstances change. New arsenic standards became effective in 2006 and lowered the legal limits for arsenic. We monitored for arsenic in 2006 and it was not detected in the sample.

Our disinfection by-product monitoring plan (THM, HAA5, and chlorine residual) is available for review, as required, by contacting the Village as stated above.

WHY SAVE WATER AND HOW TO AVOID WASTING IT?

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water:

- ♦ Saving water saves energy and some of the costs associated with both of these necessities of life;
- ♦ Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers; and
- ♦ Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential fire fighting needs are met.

You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- ♦ Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- ♦ Turn off the tap when brushing your teeth.
- ♦ Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it up and you can save almost 6,000 gallons per year.
- ♦ Check your toilets for leaks by putting a few drops of food coloring in the tank, watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you save more than 30,000 gallons a year.

CLOSING

We have plans for a repair project approved for the Dugan Spring source and the Fox Creek Intake that was damaged in the Hurricane Irene Flood. This shall help assure the stability of the water sources.

Thank you for allowing us to continue to provide your family with quality drinking water the year of 2015. The Village has two NYS certified water treatment plant operators and distribution system operators. They work diligently to maintain the quality of water. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements. We are planning a new permanganate injection point for the treatment plant. The permanganate is used as a filter aid and to destroy organic carbon so better water is produced for you. We ask that all our customers help us protect our water sources, which are the heart of our community. Please call our office if you have questions.